

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 3. (Cancelled)
4. (Currently Amended) A composition comprising a purified synthetic polypeptide comprising the amino acid sequence of SEQ ID NO:1.
5. (Currently Amended) An anti-tumor ~~agent~~ polypeptide, comprising an apoptosis-inducing concentration of a polypeptide, wherein said polypeptide comprises the amino acid sequence of SEQ ID NO:1.
6. (Currently Amended) The ~~agent~~ polypeptide of claim 5, wherein said anti-tumor ~~agent~~ polypeptide is activated by contacting said ~~polypeptide~~ polypeptide with a detergent.
7. (Currently Amended) The ~~agent~~ polypeptide of claim 6, wherein said detergent is sodium dodecyl sulfate.
8. (Currently Amended) A method of killing a tumor cell, comprising contacting said tumor cell with a polypeptide comprising the amino acid of SEQ ID NO:1 for a time and under conditions effective to promote killing by apoptosis in said tumor cell.
9. (Previously Added) The method of claim 8, wherein said tumor is a breast tumor.
10. – 14. (Cancelled)

15. (Currently Amended) A method of activating an anti-tumor polypeptide, comprising contacting said polypeptide with sodium dodecyl sulfate, wherein an anti-tumor activity of said polypeptide is activated after said contacting step, The method of claim 12, wherein said polypeptide comprises the amino acid sequence of SEQ ID NO:1, and wherein the activated anti-tumor polypeptide promotes apoptosis in a tumor cell.

16. (New) A composition comprising a purified polypeptide consisting essentially of the amino acid sequence of SEQ ID NO:1.

17. (New) A composition comprising an SDS-activated anti-tumor polypeptide, said composition comprising an apoptosis-inducing concentration of said polypeptide, wherein said polypeptide consists essentially of the amino acid sequence of SEQ ID NO:1.

18. (New) A method of killing a tumor cell, comprising contacting said tumor cell with an SDS-activated polypeptide for a time and under conditions effective to promote killing by apoptosis of said tumor cell, said polypeptide consisting essentially of the amino acid of SEQ ID NO:1